

Fig. 1

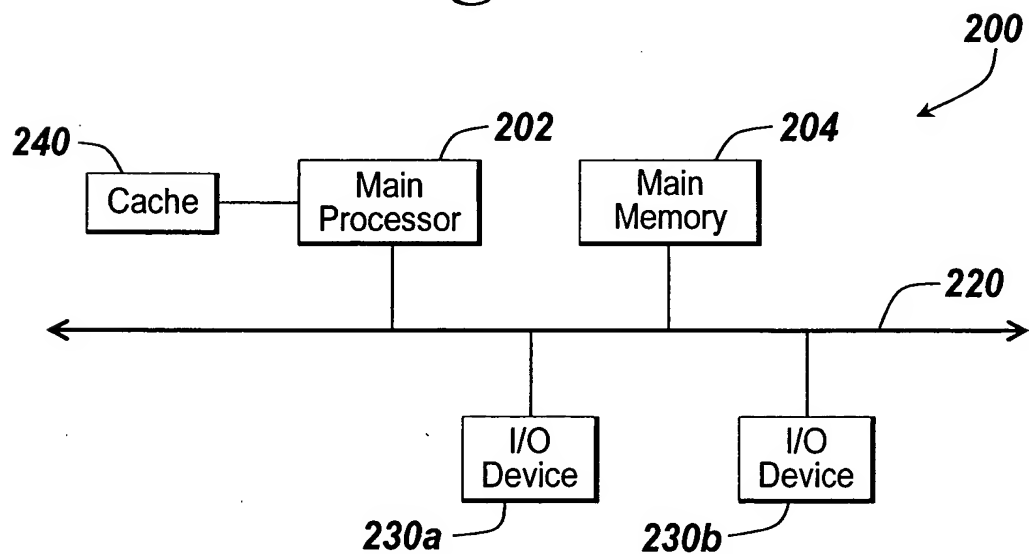


Fig. 2A

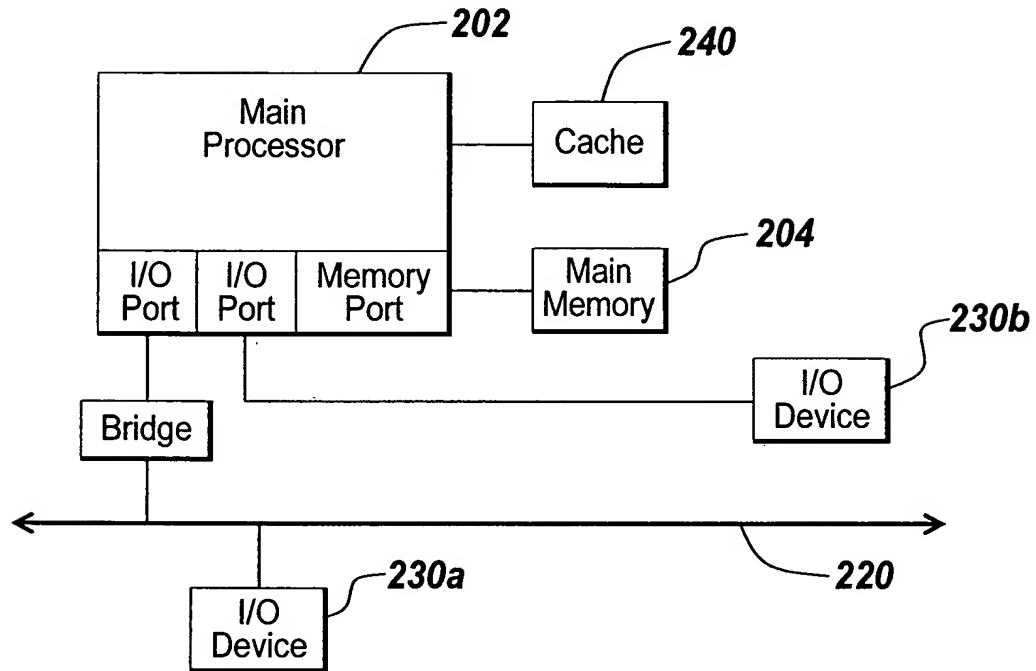


Fig. 2B

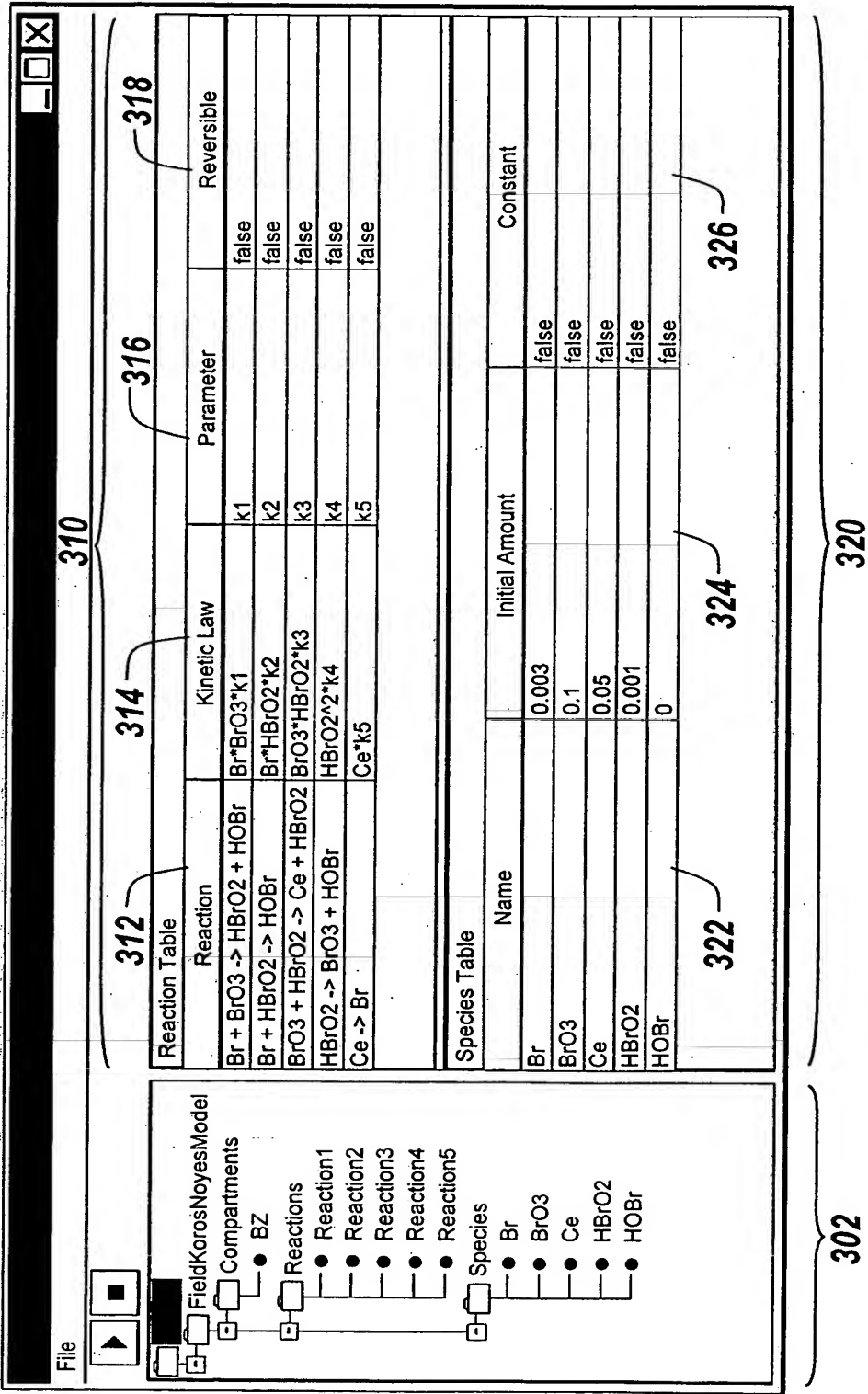


Fig. 3A

Reaction Table	Reaction	Kinetic Law	Parameter	Reversible
s70 + RNAP -> s70:RNAP	Mass Action	K		true
pg + s70:RNAP -> s70:RN...	Mass Action	K		true
s70:RNAP:pg -> mRNA_32	Mass Action	K		true
mRNA_32 -> null	Mass Action	K		false
mRNA_32 -> s32	Mass Action	K		true
s32 -> null	Mass Action	K		false
s32 + RNAP -> s32:RNAP	Mass Action	K		true
ph + s32:RNAP -> s32:RN...	Mass Action	K		true
s32:RNAP:ph -> mRNA_DnaK	Mass Action	K		true
mRNA_DnaK -> null	Mass Action	K		false
mRNA_DnaK -> DnaK	Mass Action	K		true
DnaK -> null	Mass Action	K		false
s32 + DnaK -> s32:DnaK	Mass Action	K		true
Punfolded + DnaK -> Punfo...	Mass Action	K		true
Punfolded:DnaK + Pfolded -> ...	Mass Action	K		true
Pfolded -> Punfolded	Mass Action	K		true
s32:RNAP:ph -> mRNA_FtsH	Mass Action	K		true
mRNA_FtsH -> null	Mass Action	K		false
mRNA_FtsH -> FtsH	Mass Action	K		true
FtsH -> null	Mass Action	K		false
s32:RNAP:ph -> mRNA_HsIVU	Mass Action	K		true
mRNA_HsIVU -> null	Mass Action	K		false
mRNA_HsIVU -> HsIVU	Mass Action	K		true
HsIVU -> null	Mass Action	K		false
s32:RNAP:ph -> mRNA_Pro...	Mass Action	K		true
Species Table				
	Name	Initial Amount	Constant	
DnaK		0	false	
FtsH		0	false	
HsIVU		0	false	
Pfolded		17800	false	
Protease		0	false	
Punfolded		0	false	
Punfolded:DnaK		0	false	
RNAP		1337.6174	false	
mRNA_DnaK		0	false	
mRNA_FtsH		0	false	
mRNA_HsIVU		0	false	
mRNA_Protease		0	false	
mRNA_s32		0	false	
null		0	false	

Fig. 3B

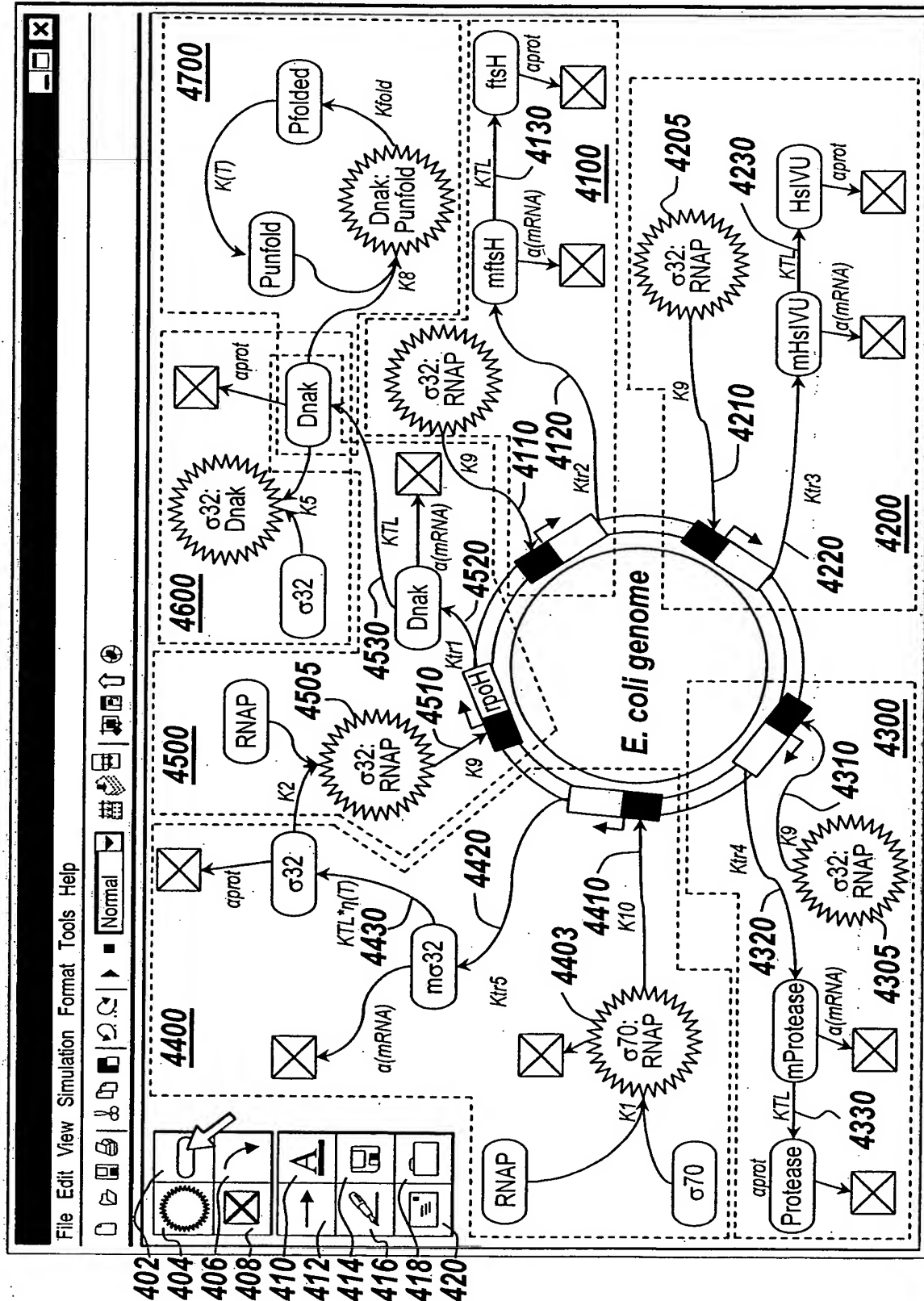
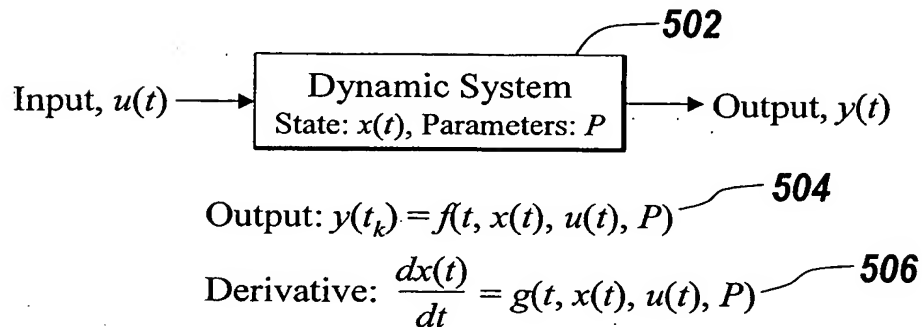
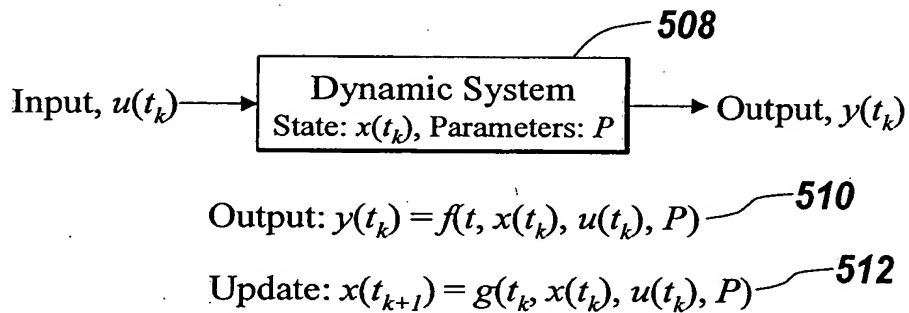
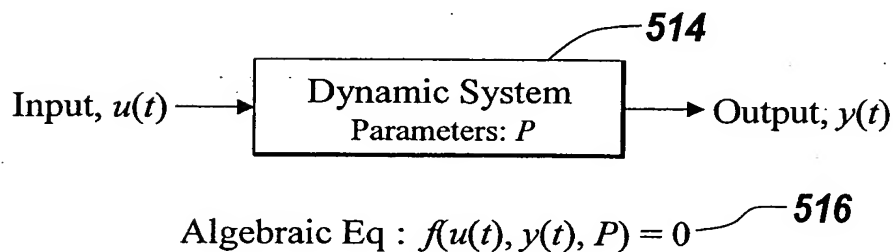


Fig. 4

*Fig. 5A**Fig. 5B**Fig. 5C*

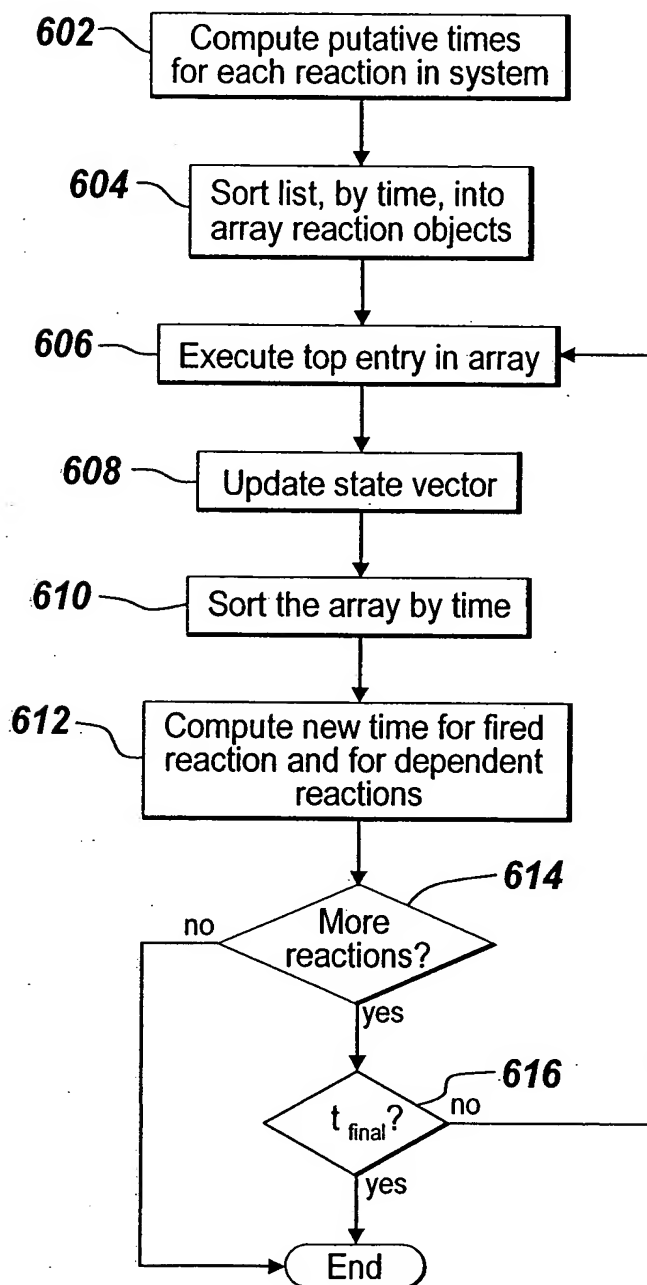


Fig. 6

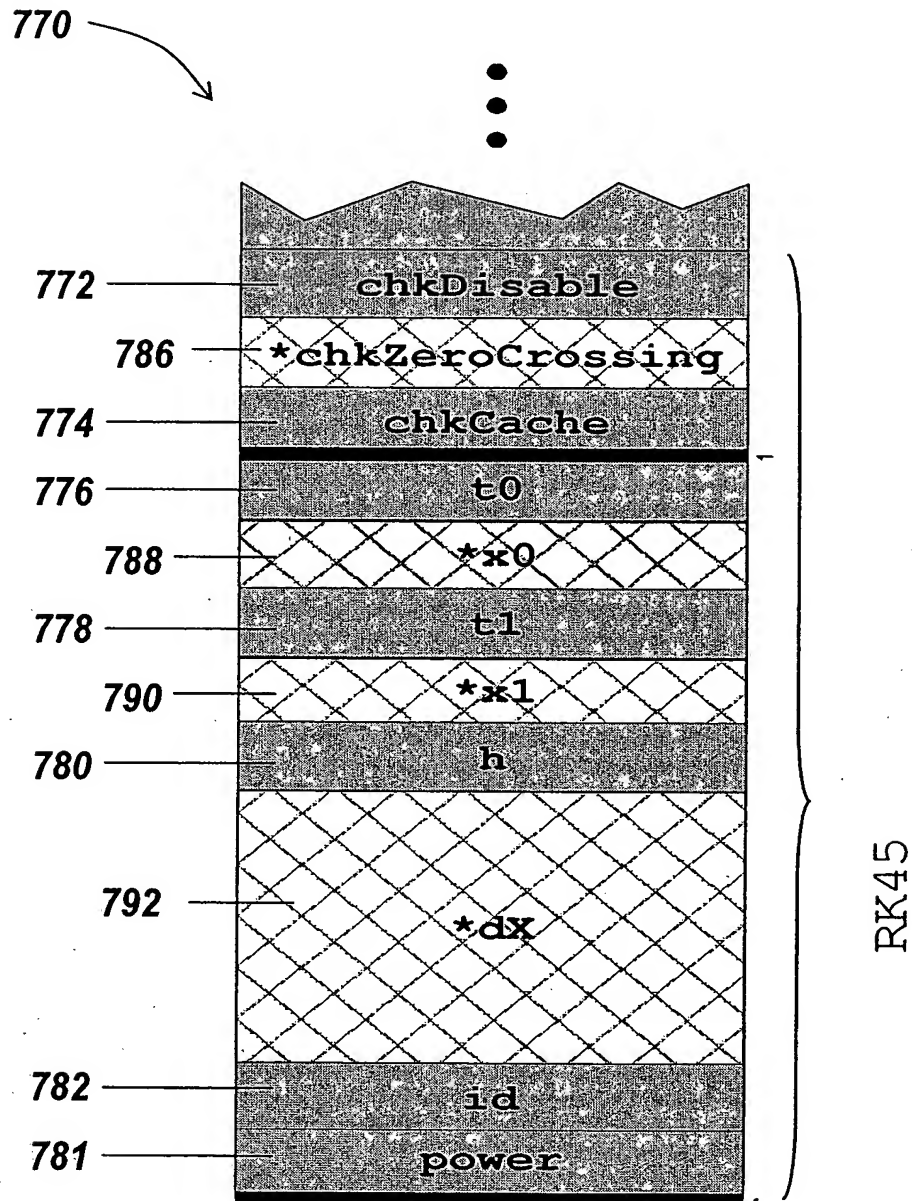


Fig. 7

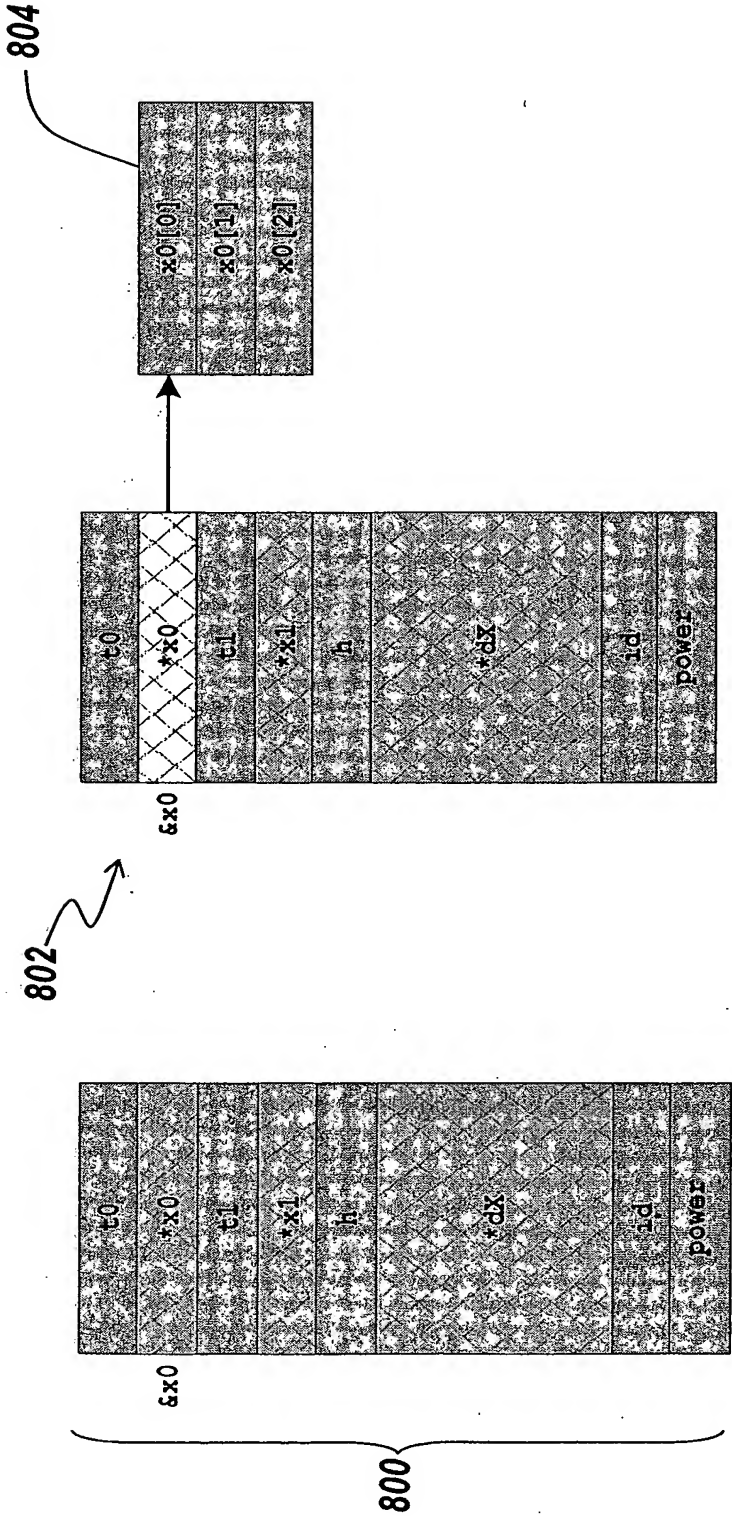


Fig. 8A

Fig. 8B

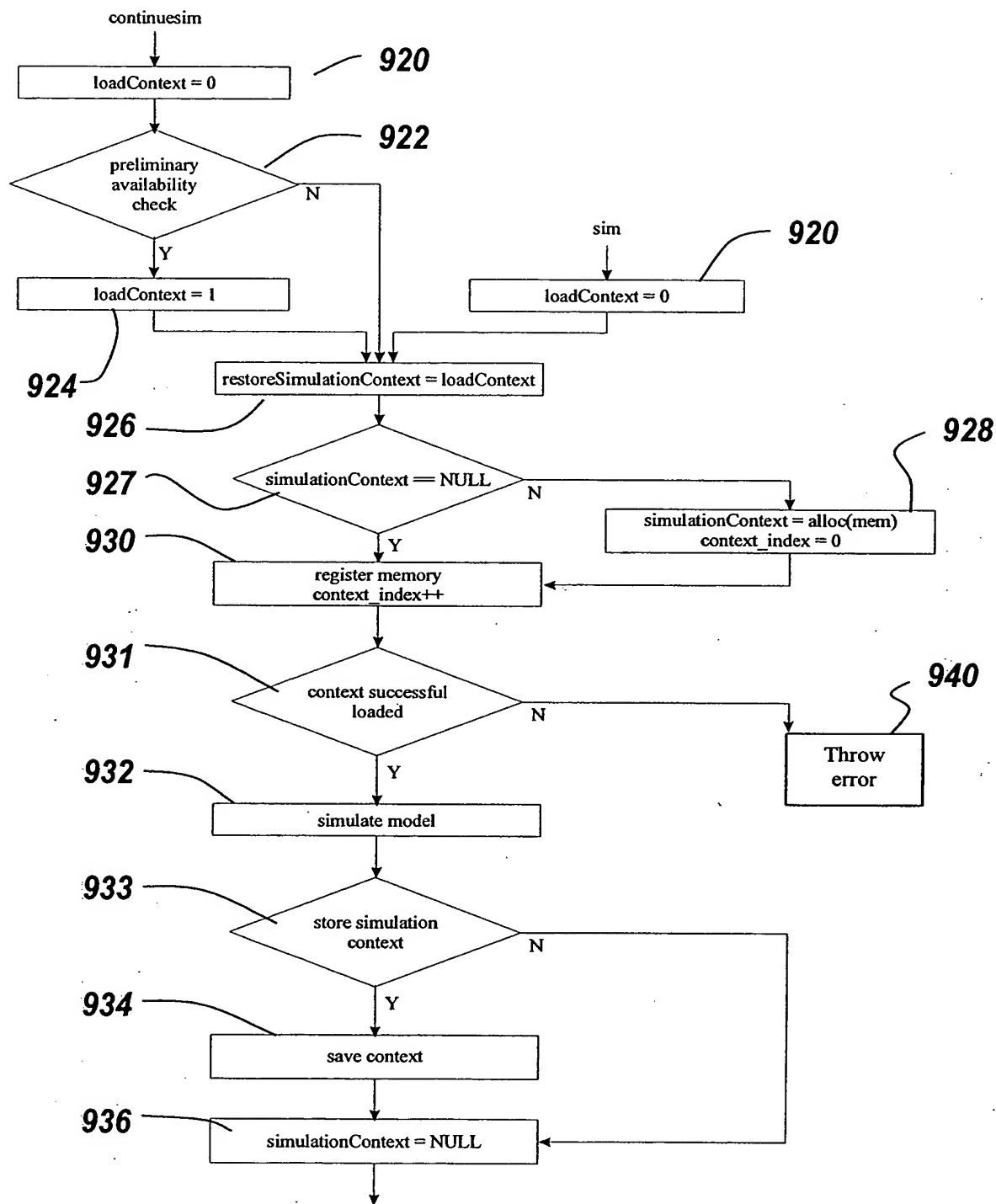


Fig. 9